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We claim:

1. A method of treating target cells to damage them and/or reduce their proliferation wherein said method comprises the steps of (a) exposing the target cells to a
5 cell-damaging agent, and also (b) exposing said target cells to a preparation of antigen-presenting cells, thereby to damage said cells and/or reduce their proliferation.
2. A method according to claim 1, wherein step (b) is carried out at least
about 30 minutes after step (a).
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3. A method according to claim 1, wherein the antigen-presenting cells
consist essentially of dendritic cells.
4. A method according to claim 1, wherein the cell-damaging agent consists
15 essentially of a virus vector for gene delivery.
5. A method according to claim 4, wherein the vector comprises one or more
gene sequences encoding an immunomodulatory protein and/or a tumour antigen, or a
functional fragment thereof.
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6. A method according to claim 1, wherein the cell-damaging agent and the
antigen-presenting cells are delivered to target cells in vivo
7. A method according to claim 1, wherein the cell-damaging agent and the
25 antigen-presenting cells are delivered to target cells in vitro and the treated target cells are
then implanted into a subject.

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8. A method of treating cell proliferation in a subject which comprises administering to said subject separately or concurrently a cell-damaging agent and a preparation of antigen presenting cells in combination with a pharmaceutical excipient.

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